

# CRF Errors Corrected by the STIC Systems Branch

Serial Number: 1/831096

CRF Processing Date: 10/15/2001  
 Edited by: mtt  
 Verified by: \_\_\_\_\_ (STIC sta

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☒ Corrected an obvious error in the response, specifically:  
misspelling of "Artificial" as Artificial Sequences Globally
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:46

Input Set : N:\Crf3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

1 <110> APPLICANT: President and Fellows of Harvard College  
 2 <120> TITLE OF INVENTION: FK506-based regulation of biological events  
 3 <130> FILE REFERENCE: ARIAD 385A PCT/US  
 4 <140> CURRENT APPLICATION NUMBER: US/09/831,096  
 5 <141> CURRENT FILING DATE: 2001-05-03  
 6 <160> NUMBER OF SEQ ID NOS: 34  
 7 <170> SOFTWARE: PatentIn version 3.0  
 9 <210> SEQ ID NO: 1  
 10 <211> LENGTH: 14  
 11 <212> TYPE: PRT  
 12 <213> ORGANISM: Artificial Sequence  
 13 <220> FEATURE:  
 14 <221> NAME/KEY: BINDING  
 15 <222> LOCATION: (1)..(14)  
 16 <223> OTHER INFORMATION: membrane binding domain  
 17 <400> SEQUENCE: 1  
 18 Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg  
 19 1 5 10  
 21 <210> SEQ ID NO: 2  
 22 <211> LENGTH: 4  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: BINDING  
 27 <222> LOCATION: (1)..(4)  
 28 <223> OTHER INFORMATION: organelle targeting domain  
 29 <400> SEQUENCE: 2  
 30 Lys Asp Glu Leu  
 31 1  
 33 <210> SEQ ID NO: 3  
 34 <211> LENGTH: 4  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Artificial Sequence  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: BINDING  
 39 <222> LOCATION: (1)..(4)  
 40 <223> OTHER INFORMATION: organelle tagreting domain  
 41 <400> SEQUENCE: 3  
 42 His Asp Glu Leu  
 43 1  
 45 <210> SEQ ID NO: 4  
 46 <211> LENGTH: 42  
 47 <212> TYPE: DNA  
 48 <213> ORGANISM: Artificial Sequence  
 49 <220> FEATURE:  
 50 <221> NAME/KEY: misc\_structure  
 51 <222> LOCATION: (1)..(42)

ENTERED

p. 5

## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:46

Input Set : N:\Cr3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

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54      cgggcccccc ctcgagtcta cgaccgacag ggtggtgaaa gc           42
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57 <211> LENGTH: 41
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <221> NAME/KEY: misc_structure
62 <222> LOCATION: (1)..(41)
63 <223> OTHER INFORMATION: hCNA cloning oligo.340
64 <400> SEQUENCE: 5
65      atataaatcg ctcgagccat actggcttcc aaatttcattg g           41
67 <210> SEQ ID NO: 6
68 <211> LENGTH: 44
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <221> NAME/KEY: misc_structure
73 <222> LOCATION: (1)..(43)
74 <223> OTHER INFORMATION: hCNA cloning oligo.350
75 <400> SEQUENCE: 6
76      atataaatcg ctcgagttaa cttggtccct tccatttggt gggg           44
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79 <211> LENGTH: 58
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81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <221> NAME/KEY: misc_structure
84 <222> LOCATION: (1)..(58)
85 <223> OTHER INFORMATION: hCNA cloning oligo.370
86 <400> SEQUENCE: 7
87      ccagtagggt ctagatctgg gccacgata taagtcgacg ttgaggacat ttaccagc           58
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 9
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <221> NAME/KEY: misc_structure
95 <222> LOCATION: (1)..(9)
96 <223> OTHER INFORMATION: overlapping XbaI and BglII sites
97 <400> SEQUENCE: 8
98      tctagatct                                     9
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 63
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <221> NAME/KEY: misc_structure

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## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:46

Input Set : N:\Crf3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

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106 <222> LOCATION: (1)..(63)
107 <223> OTHER INFORMATION: hCNA cloning oligo.394
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109     ttaatctaga tcttcacttg tcatcgtcac ctttatagtc gacctctttc cgggctgcag      60
110     ctg                                                                    63
112 <210> SEQ ID NO: 10
113 <211> LENGTH: 41
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <221> NAME/KEY: misc_structure
118 <222> LOCATION: (1)..(41)
119 <223> OTHER INFORMATION: hCNB cloning oligo.2
120 <400> SEQUENCE: 10
121     atataaatcg ctgcaggga atgaggcaag ttatcctttg g                        41
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 38
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <221> NAME/KEY: misc_structure
129 <222> LOCATION: (1)..(38)
130 <223> OTHER INFORMATION: hCNB cloning oligo.3
131 <400> SEQUENCE: 11
132     atataaatcg ctgcagaatg aggcaagtta tccttttg                          38
134 <210> SEQ ID NO: 12
135 <211> LENGTH: 65
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <221> NAME/KEY: misc_structure
140 <222> LOCATION: (1)..(65)
141 <223> OTHER INFORMATION: hCNB/FLAG cloning oligo
142 <400> SEQUENCE: 12
143     ttaatctaga tctgggccct cacttgtcac cgtcactttt atagtcgacc acatctacca      60
144     ccatc                                                                    65
146 <210> SEQ ID NO: 13
147 <211> LENGTH: 116
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <221> NAME/KEY: misc_structure
152 <222> LOCATION: (1)..(116)
153 <223> OTHER INFORMATION: hCNA template linkers
154 <400> SEQUENCE: 13
155     cgatttatat gggccctcta gatctagaac cagaaccaga accagaacca gaaccagaac      60
156     cagaaccaga accagaacca ccagaaccag aaccacogtt gaggacattt accagc        116
158 <210> SEQ ID NO: 14
159 <211> LENGTH: 58

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## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:46

Input Set : N:\Crf3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

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160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <221> NAME/KEY: misc_structure
164 <222> LOCATION: (1)..(58)
165 <223> OTHER INFORMATION: CNA-CNB linker oligo.1
166 <400> SEQUENCE: 14
167      gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacaccagaa ccagaacc      58
169 <210> SEQ ID NO: 15
170 <211> LENGTH: 58
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <221> NAME/KEY: misc_structure
175 <222> LOCATION: (1)..(58)
176 <223> OTHER INFORMATION: CNA-CNB linker oligo.2
177 <400> SEQUENCE: 15
178      gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacagaacca gaaccaga      58
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 72
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <221> NAME/KEY: misc_signal
186 <222> LOCATION: (1)..(72)
187 <223> OTHER INFORMATION: CNA 370 linker oligo
188 <400> SEQUENCE: 16
189      ggtgggtctg gttctggtgg ttctggttct ggttctgggt ctgggttctgg ttctggttct      60
190      ggttctggtt ct      72
192 <210> SEQ ID NO: 17
193 <211> LENGTH: 24
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <221> NAME/KEY: PEPTIDE
198 <222> LOCATION: (1)..(24)
199 <223> OTHER INFORMATION: CNA 370 linker
200 <400> SEQUENCE: 17
201      Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Ser Gly Ser
202      1          5          10          15
203      Gly Ser Gly Ser Gly Ser Gly Ser
204      20
206 <210> SEQ ID NO: 18
207 <211> LENGTH: 21
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature
212 <222> LOCATION: (1)..(22)

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## RAW SEQUENCE LISTING

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:46

Input Set : N:\Cr3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

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213 <223> OTHER INFORMATION: CNA primer.1
214 <400> SEQUENCE: 18
215      gtcgacagaa ccagaaccag a                21
217 <210> SEQ ID NO: 19
218 <211> LENGTH: 21
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)..(22)
224 <223> OTHER INFORMATION: CNA primer.2
225 <400> SEQUENCE: 19
226      gtcgacacca gaaccagaac c                21
228 <210> SEQ ID NO: 20
229 <211> LENGTH: 6
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (1)..(6)
235 <223> OTHER INFORMATION: Sall Site
236 <400> SEQUENCE: 20
237      gtcgac                                6
239 <210> SEQ ID NO: 21
240 <211> LENGTH: 5
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <221> NAME/KEY: PEPTIDE
245 <222> LOCATION: (1)..(5)
246 <223> OTHER INFORMATION: GS linker repeats
247 <400> SEQUENCE: 21
248      Gly Gly Ser Gly Ser
249      1          5
251 <210> SEQ ID NO: 22
252 <211> LENGTH: 4
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: mature CAB peptide fragment
257 <221> NAME/KEY: PEPTIDE
258 <222> LOCATION: (1)..(4)
259 <223> OTHER INFORMATION: mature CAB fragment
260 <400> SEQUENCE: 22
261      Val Asp Thr Ser
262      1
264 <210> SEQ ID NO: 23
265 <211> LENGTH: 66
266 <212> TYPE: DNA

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 10/05/2001

PATENT APPLICATION: US/09/831,096

TIME: 08:58:47

Input Set : N:\Crf3\09272001\I831096.raw

Output Set: N:\CRF3\10052001\I831096.raw

L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31

L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34

OIPE

## RAW SEQUENCE LISTING

DATE: 09/27/2001

PATENT APPLICATION: US/09/831,096

TIME: 14:10:11

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set: N:\CRF3\09272001\I831096.raw

3 <110> APPLICANT: President and Fellows of Harvard College  
 5 <120> TITLE OF INVENTION: FK506-based regulation of biological events  
 7 <130> FILE REFERENCE: ARIAD 385A PCT/US  
 9 <140> CURRENT APPLICATION NUMBER: US 09/831,096  
 10 <141> CURRENT FILING DATE: 2001-05-03  
 12 <160> NUMBER OF SEQ ID NOS: 34  
 14 <170> SOFTWARE: PatentIn version 3.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 14  
 18 <212> TYPE: PRT  
 C--> 19 <213> ORGANISM: Artificial *Correction Made*  
 21 <220> FEATURE: *Miriam Hesper*  
 22 <221> NAME/KEY: BINDING  
 23 <222> LOCATION: (1)..(14)  
 24 <223> OTHER INFORMATION: membrane binding domain ✓  
 27 <400> SEQUENCE: 1  
 29 Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg  
 30 1 5 10  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 4  
 34 <212> TYPE: PRT  
 C--> 35 <213> ORGANISM: Artificial  
 37 <220> FEATURE:  
 38 <221> NAME/KEY: BINDING  
 39 <222> LOCATION: (1)..(4)  
 40 <223> OTHER INFORMATION: organelle targeting domain ✓  
 43 <400> SEQUENCE: 2  
 45 Lys Asp Glu Leu  
 46 1  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 4  
 50 <212> TYPE: PRT  
 C--> 51 <213> ORGANISM: Artificial  
 53 <220> FEATURE:  
 54 <221> NAME/KEY: BINDING  
 55 <222> LOCATION: (1)..(4)  
 56 <223> OTHER INFORMATION: organelle tagreting domain ✓  
 59 <400> SEQUENCE: 3  
 61 His Asp Glu Leu  
 62 1  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 42  
 66 <212> TYPE: DNA  
 C--> 67 <213> ORGANISM: Artificial *OK*  
 69 <220> FEATURE:  
 70 <221> NAME/KEY: misc\_structure  
 71 <222> LOCATION: (1)..(42)



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,096

DATE: 09/27/2001

TIME: 14:10:11

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set : N:\CRF3\09272001\I831096.raw

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72 <223> OTHER INFORMATION: hCNA cloning oligo.12
75 <400> SEQUENCE: 4
76 cggggccccc ctcgagtcta cgaccgacag ggtggtgaaa gc 42
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 41
81 <212> TYPE: DNA
C--> 82 <213> ORGANISM: Arificial
84 <220> FEATURE:
85 <221> NAME/KEY: misc_structure
86 <222> LOCATION: (1)..(41)
87 <223> OTHER INFORMATION: hCNA cloning oligo.340
90 <400> SEQUENCE: 5
91 atataaatcg ctcgagccat actggcttcc aaatttcatg g 41
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 44
96 <212> TYPE: DNA
C--> 97 <213> ORGANISM: Arificial
99 <220> FEATURE:
100 <221> NAME/KEY: misc_structure
101 <222> LOCATION: (1)..(43)
102 <223> OTHER INFORMATION: hCNA cloning oligo.350
105 <400> SEQUENCE: 6
106 atataaatcg ctcgagttaa cttgggtccct tccatttggt gggg 44
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 58
111 <212> TYPE: DNA
C--> 112 <213> ORGANISM: Arificial
114 <220> FEATURE:
115 <221> NAME/KEY: misc_structure
116 <222> LOCATION: (1)..(58)
117 <223> OTHER INFORMATION: hCNA cloning oligo.370
120 <400> SEQUENCE: 7
121 ccagtagggt ctagatctgg gccacgata taagtcgacg ttgaggacat ttaccagc 58
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 9
126 <212> TYPE: DNA
C--> 127 <213> ORGANISM: Arificial
129 <220> FEATURE:
130 <221> NAME/KEY: misc_structure
131 <222> LOCATION: (1)..(9)
132 <223> OTHER INFORMATION: overlapping XbaI and BglII sites
135 <400> SEQUENCE: 8
136 tctagatct 9
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 63
141 <212> TYPE: DNA
C--> 142 <213> ORGANISM: Arificial
144 <220> FEATURE:
145 <221> NAME/KEY: misc_structure

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,096

DATE: 09/27/2001

TIME: 14:10:11

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set: N:\CRF3\09272001\I831096.raw

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146 <222> LOCATION: (1)..(63)
147 <223> OTHER INFORMATION: hCNA cloning oligo.394
150 <400> SEQUENCE: 9
151 ttaatctaga tcttcacttg tcctcgtcat ctttatagtc gacctctttc cgggctgcag      60
153 ctg                                                                    63
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 41
158 <212> TYPE: DNA
C--> 159 <213> ORGANISM: Arificial
161 <220> FEATURE:
162 <221> NAME/KEY: misc_structure
163 <222> LOCATION: (1)..(41)
164 <223> OTHER INFORMATION: hCNB cloning oligo.2
167 <400> SEQUENCE: 10
168 atataaatcg ctcgagggaa atgaggcaag ttatcctttg g                        41
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 38
173 <212> TYPE: DNA
C--> 174 <213> ORGANISM: Arificial
176 <220> FEATURE:
177 <221> NAME/KEY: misc_structure
178 <222> LOCATION: (1)..(38)
179 <223> OTHER INFORMATION: hCNB cloning oligo.3
182 <400> SEQUENCE: 11
183 atataaatcg ctcgagaatg aggcaagtta tccttttg                          38
186 <210> SEQ ID NO: 12
187 <211> LENGTH: 65
188 <212> TYPE: DNA
C--> 189 <213> ORGANISM: Arificial
191 <220> FEATURE:
192 <221> NAME/KEY: misc_structure
193 <222> LOCATION: (1)..(65)
194 <223> OTHER INFORMATION: hCNB/FLAG cloning oligo
197 <400> SEQUENCE: 12
198 ttaatctaga tctgggccct cacttgatcat cgtcatcttt atagtcgacc acatctacca      60
200 ccac                                                                    65
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 116
205 <212> TYPE: DNA
C--> 206 <213> ORGANISM: Arificial
208 <220> FEATURE:
209 <221> NAME/KEY: misc_structure
210 <222> LOCATION: (1)..(116)
211 <223> OTHER INFORMATION: hCNA template linkers
214 <400> SEQUENCE: 13
215 cgatttatat gggccctcta gatctagaac cagaaccaga accagaacca gaaccagaac      60
217 cagaaccaga accagaacca ccagaaccag aaccaccgtt gaggacattt accagc        116
220 <210> SEQ ID NO: 14
221 <211> LENGTH: 58

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,096

DATE: 09/27/2001

TIME: 14:10:11

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set: N:\CRF3\09272001\I831096.raw

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222 <212> TYPE: DNA
C--> 223 <213> ORGANISM: Arificial
225 <220> FEATURE:
226 <221> NAME/KEY: misc_structure
227 <222> LOCATION: (1)..(58)
228 <223> OTHER INFORMATION: CNA-CNB linker oligo.1
231 <400> SEQUENCE: 14
232 gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacaccagaa ccagaacc      58
235 <210> SEQ ID NO: 15
236 <211> LENGTH: 58
237 <212> TYPE: DNA
C--> 238 <213> ORGANISM: Arificial
240 <220> FEATURE:
241 <221> NAME/KEY: misc_structure
242 <222> LOCATION: (1)..(58)
243 <223> OTHER INFORMATION: CNA-CNB linker oligo.2
246 <400> SEQUENCE: 15
247 gaatcgcaaa tctagatctg ggcccgatcat ctttatagtc gacagaacca gaaccaga      58
250 <210> SEQ ID NO: 16
251 <211> LENGTH: 72
252 <212> TYPE: DNA
C--> 253 <213> ORGANISM: Arificial
255 <220> FEATURE:
256 <221> NAME/KEY: misc_signal
257 <222> LOCATION: (1)..(72)
258 <223> OTHER INFORMATION: CNA 370 linker oligo
261 <400> SEQUENCE: 16
262 ggtggttctg gttctggtgg ttctggttct ggttctggtt ctggttctgg ttctggttct      60
264 ggttctggtt ct      72
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 24
269 <212> TYPE: PRT
C--> 270 <213> ORGANISM: Arificial
272 <220> FEATURE:
273 <221> NAME/KEY: PEPTIDE
274 <222> LOCATION: (1)..(24)
275 <223> OTHER INFORMATION: CNA 370 linker
278 <400> SEQUENCE: 17
280 Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
281 1          5          10          15
283 Gly Ser Gly Ser Gly Ser Gly Ser
284          20
286 <210> SEQ ID NO: 18
287 <211> LENGTH: 21
288 <212> TYPE: DNA
C--> 289 <213> ORGANISM: Arificial
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (1)..(22)

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,096

DATE: 09/27/2001

TIME: 14:10:11

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set: N:\CRF3\09272001\I831096.raw

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294 <223> OTHER INFORMATION: CNA primer.1
297 <400> SEQUENCE: 18
298 gtcgacagaa ccagaaccag a                                21
301 <210> SEQ ID NO: 19
302 <211> LENGTH: 21
303 <212> TYPE: DNA
C--> 304 <213> ORGANISM: Arificial
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (1)..(22)
309 <223> OTHER INFORMATION: CNA primer.2
312 <400> SEQUENCE: 19
313 gtcgacacca gaaccagaac c                                21
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 6
318 <212> TYPE: DNA
C--> 319 <213> ORGANISM: Arificial
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: (1)..(6)
324 <223> OTHER INFORMATION: Sall Site
327 <400> SEQUENCE: 20
328 gtcgac                                                6
331 <210> SEQ ID NO: 21
332 <211> LENGTH: 5
333 <212> TYPE: PRT
C--> 334 <213> ORGANISM: Arificial
336 <220> FEATURE:
337 <221> NAME/KEY: PEPTIDE
338 <222> LOCATION: (1)..(5)
339 <223> OTHER INFORMATION: GS linker repeats
342 <400> SEQUENCE: 21
344 Gly Gly Ser Gly Ser
345 1 5
347 <210> SEQ ID NO: 22
348 <211> LENGTH: 4
349 <212> TYPE: PRT
C--> 350 <213> ORGANISM: Artificial
352 <220> FEATURE:
353 <223> OTHER INFORMATION: mature CAB peptide fragment
355 <220> FEATURE:
356 <221> NAME/KEY: PEPTIDE
357 <222> LOCATION: (1)..(4)
358 <223> OTHER INFORMATION: mature CAB fragment
361 <400> SEQUENCE: 22
363 Val Asp Thr Ser
364 1
366 <210> SEQ ID NO: 23
367 <211> LENGTH: 66

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,096

DATE: 09/27/2001

TIME: 14:10:12

Input Set : A:\PCT.US99.25766.ST25.txt

Output Set: N:\CRF3\09272001\I831096.raw

L:19 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:35 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:51 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3  
L:67 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4  
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L:112 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7  
L:127 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8  
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L:189 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
L:206 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
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L:289 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18  
L:304 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19  
L:319 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20  
L:334 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21  
L:350 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22  
L:369 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23  
L:389 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24  
L:409 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25  
L:427 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26  
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L:463 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28  
L:483 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29  
L:501 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30  
L:519 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31  
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:540 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32  
L:560 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33  
L:578 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34  
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34